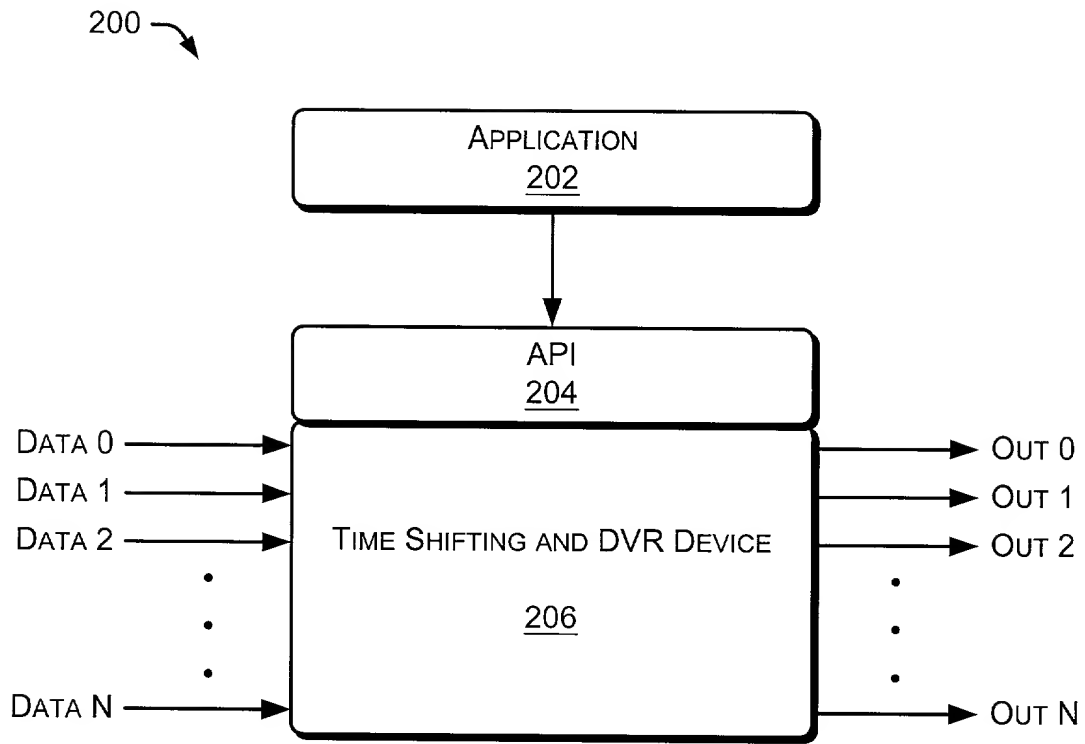


*Fig. 1*  
*(Prior Art)*



*Fig. 2*

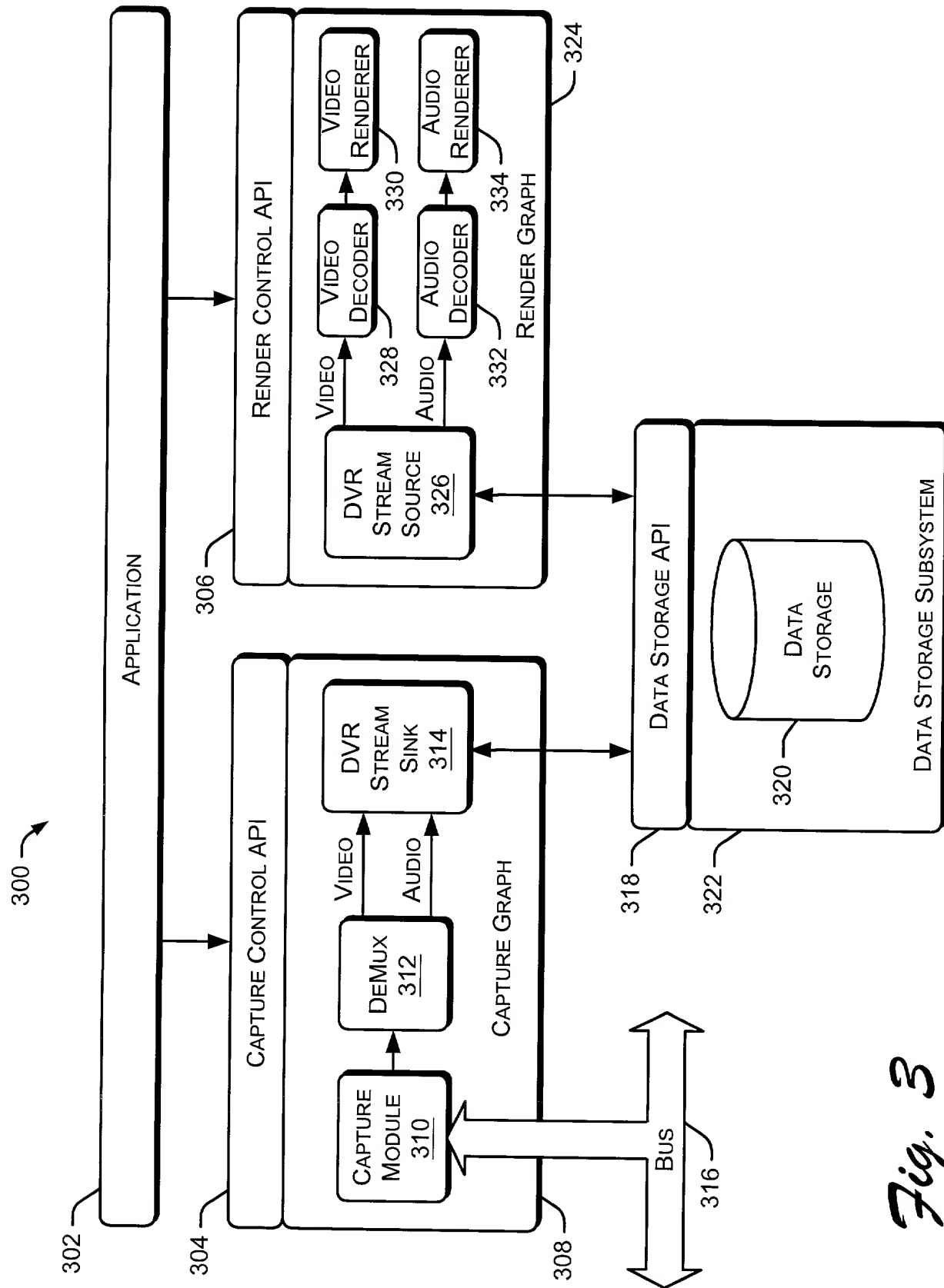
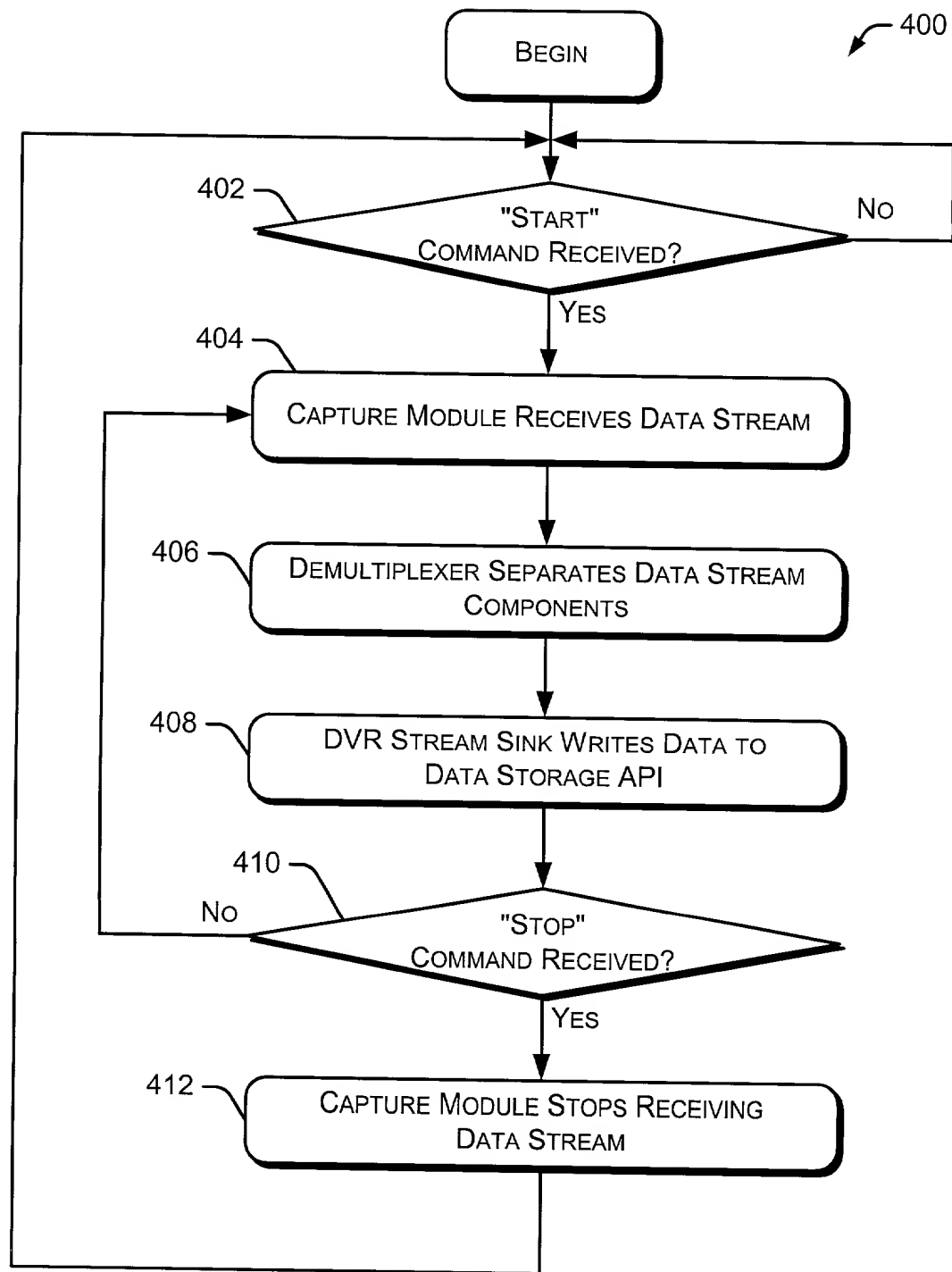


Fig. 3

*Fig. 4*

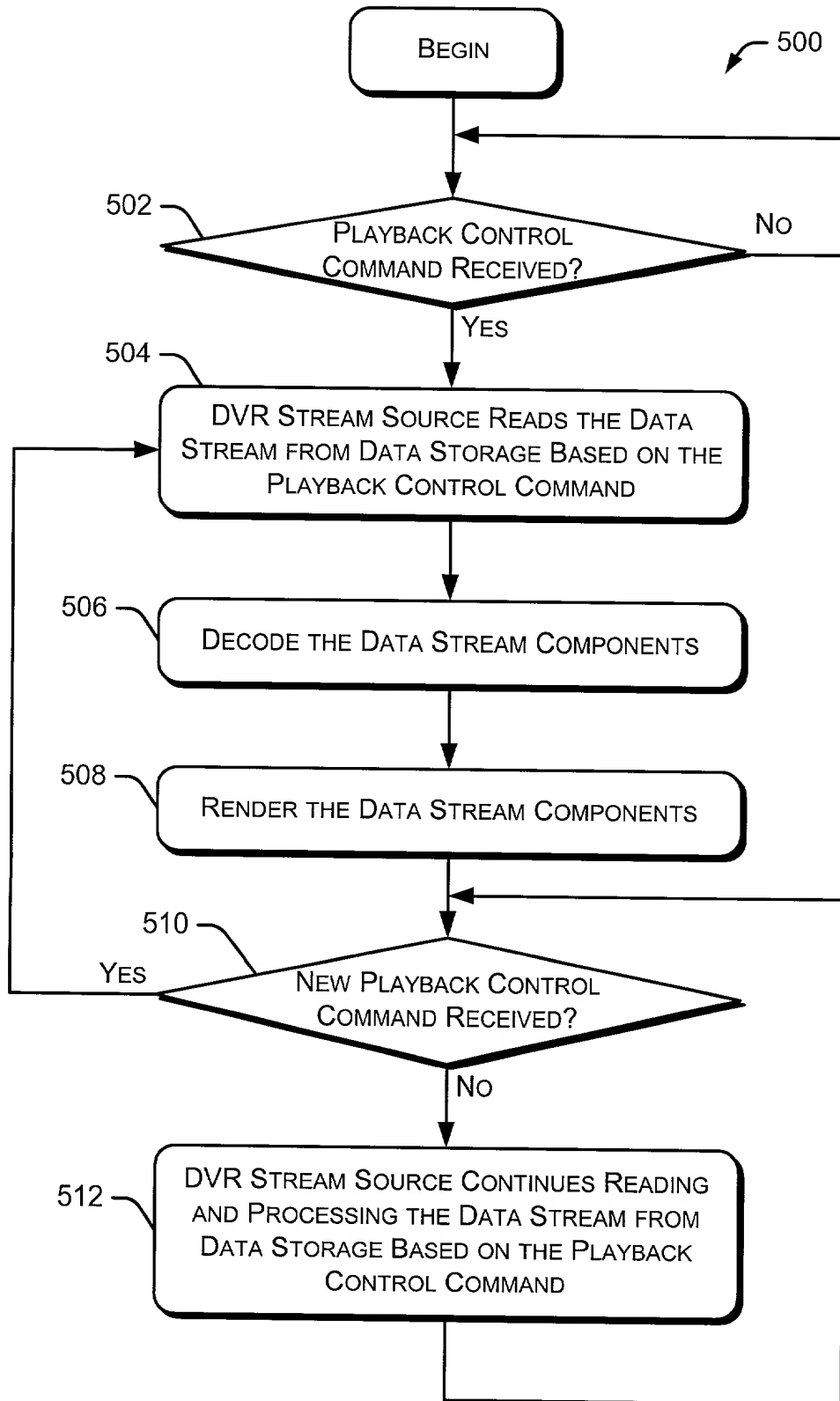
*Fig. 5*

FIG. 6 is a block diagram of a system 600, according to one embodiment of the present invention.

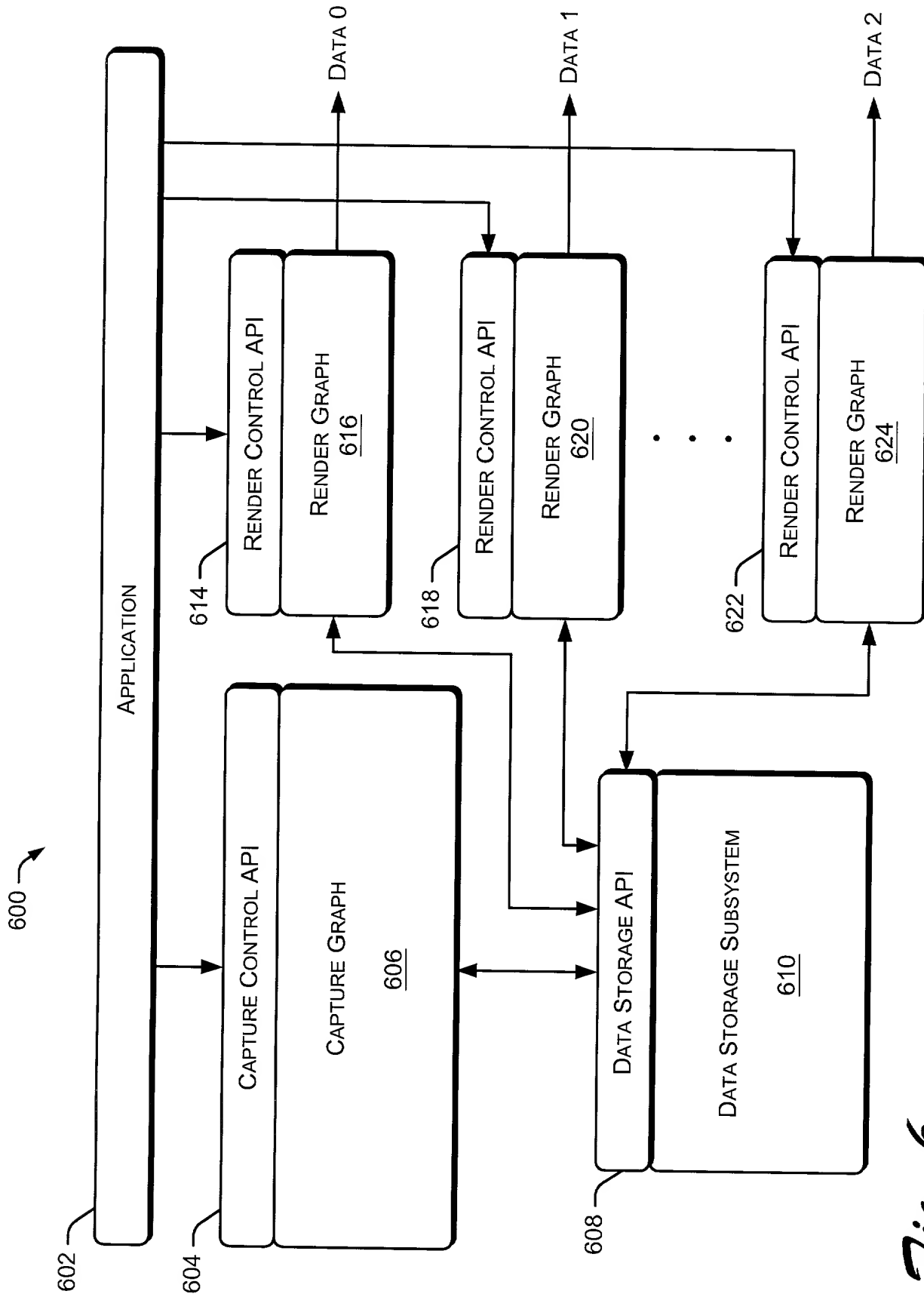


Fig. 6

FIG. 7 is a block diagram of a system 700 for processing IP multicast data streams. The system 700 includes an application 702, a capture control API 704, a capture graph 708, a render control API 706, a render graph 710, a buffer API 718, and a buffer subsystem 720. The capture graph 708 includes an IP multicast receiver 712, an audio analysis 714, and a data stream sink 716. The render graph 710 includes a data stream source 724, an audio decoder 726, and an audio renderer 728. The buffer subsystem 720 includes a data buffer 722. The application 702 is connected to the capture control API 704 and the render control API 706. The capture control API 704 is connected to the IP multicast receiver 712. The IP multicast receiver 712 receives an IP multicast data stream. The audio analysis 714 is connected to the data stream sink 716. The data stream sink 716 is connected to the buffer API 718. The buffer API 718 is connected to the data buffer 722. The render control API 706 is connected to the data stream source 724. The data stream source 724 is connected to the audio decoder 726, which is connected to the audio renderer 728.

700

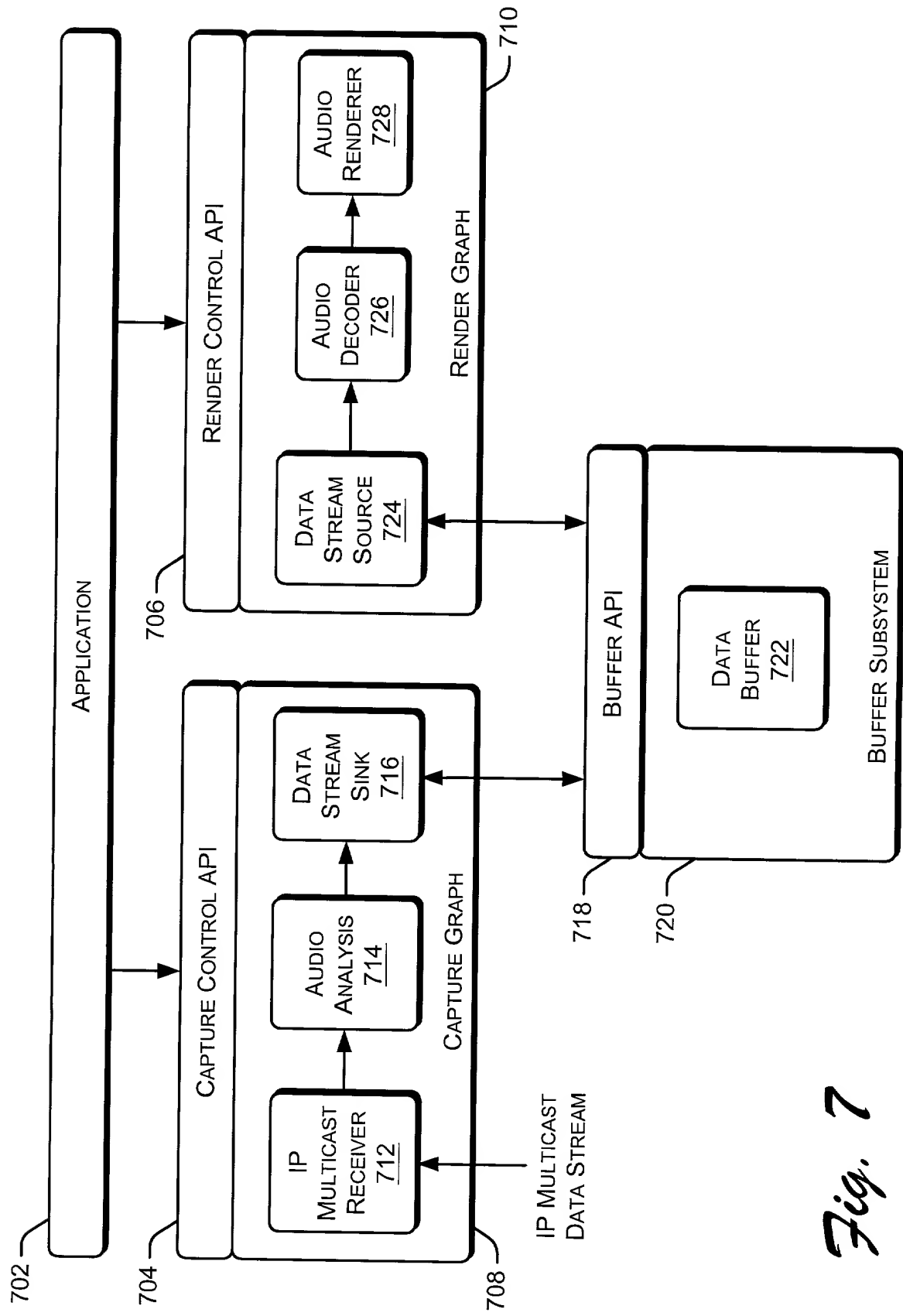
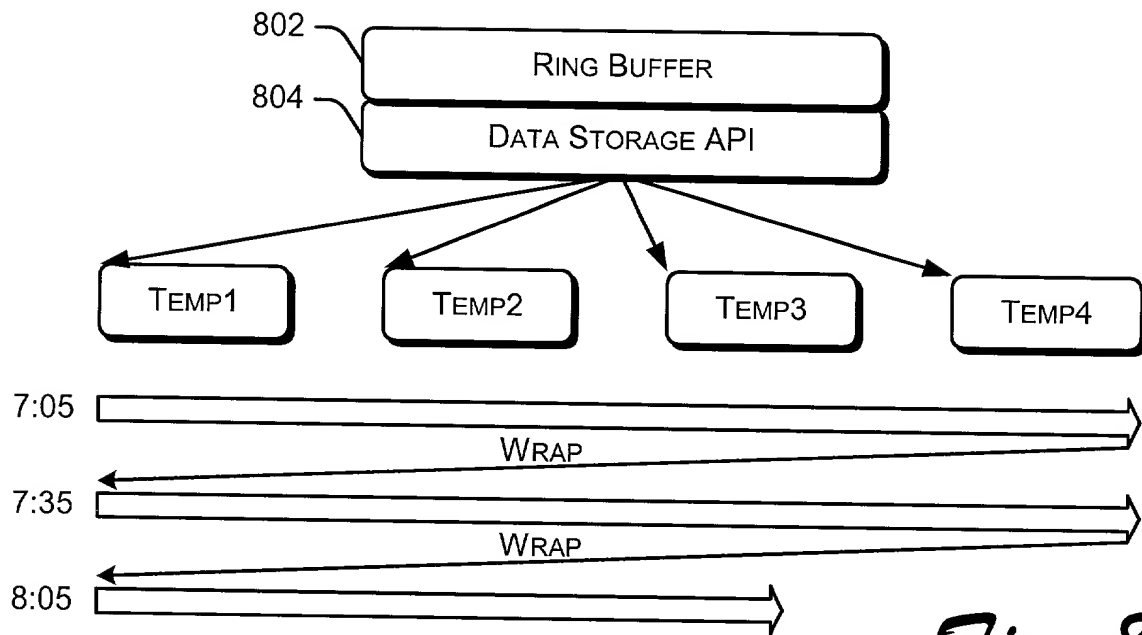
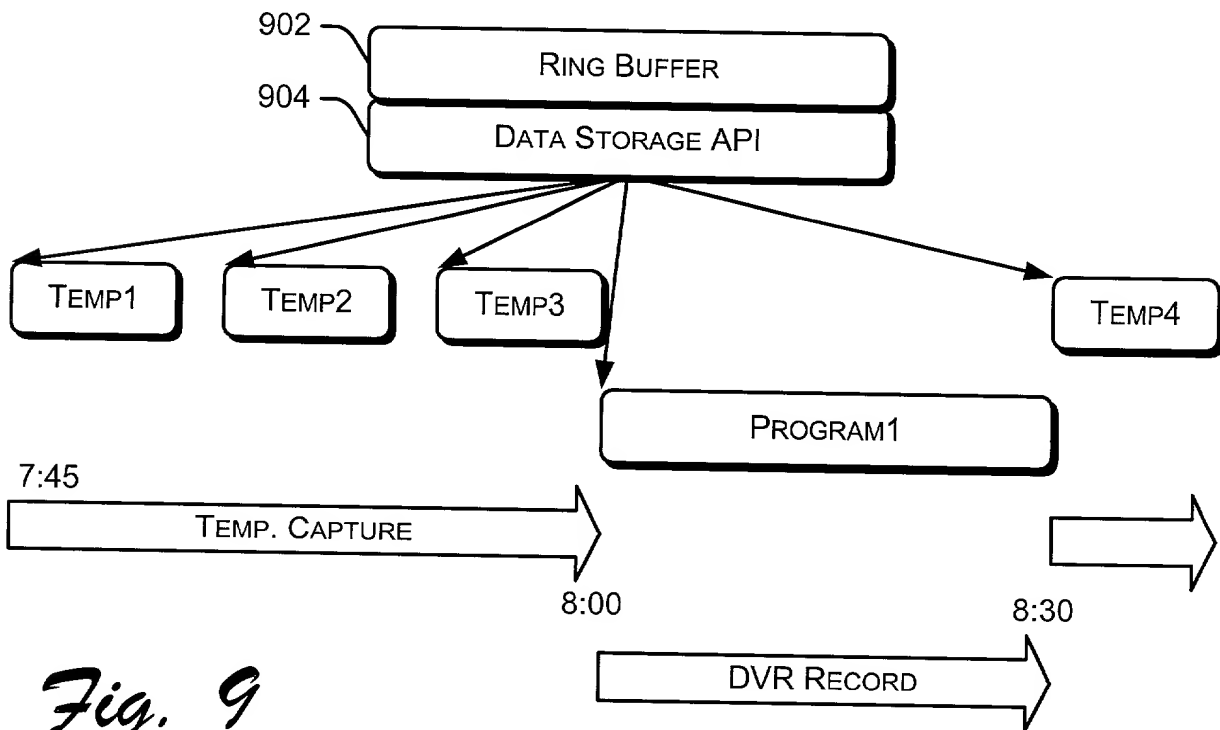


Fig. 7



*Fig. 8*



*Fig. 9*



Fig. 10

